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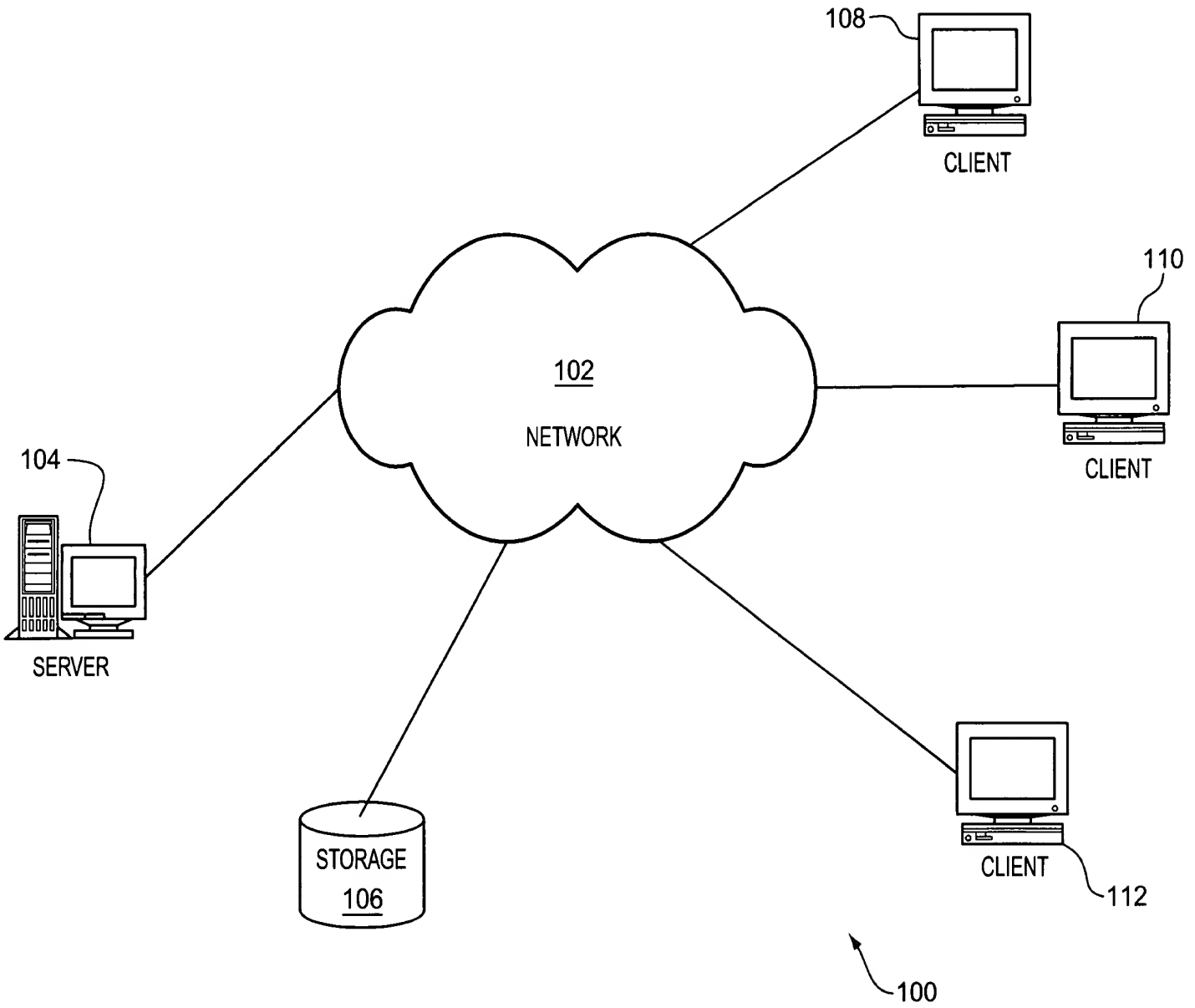
JUN 03 2004
OIPE
JC48

FIG. 1



OIPE
JUN 0 3 2004
PATENT & TRADEMARK OFFICE
3048

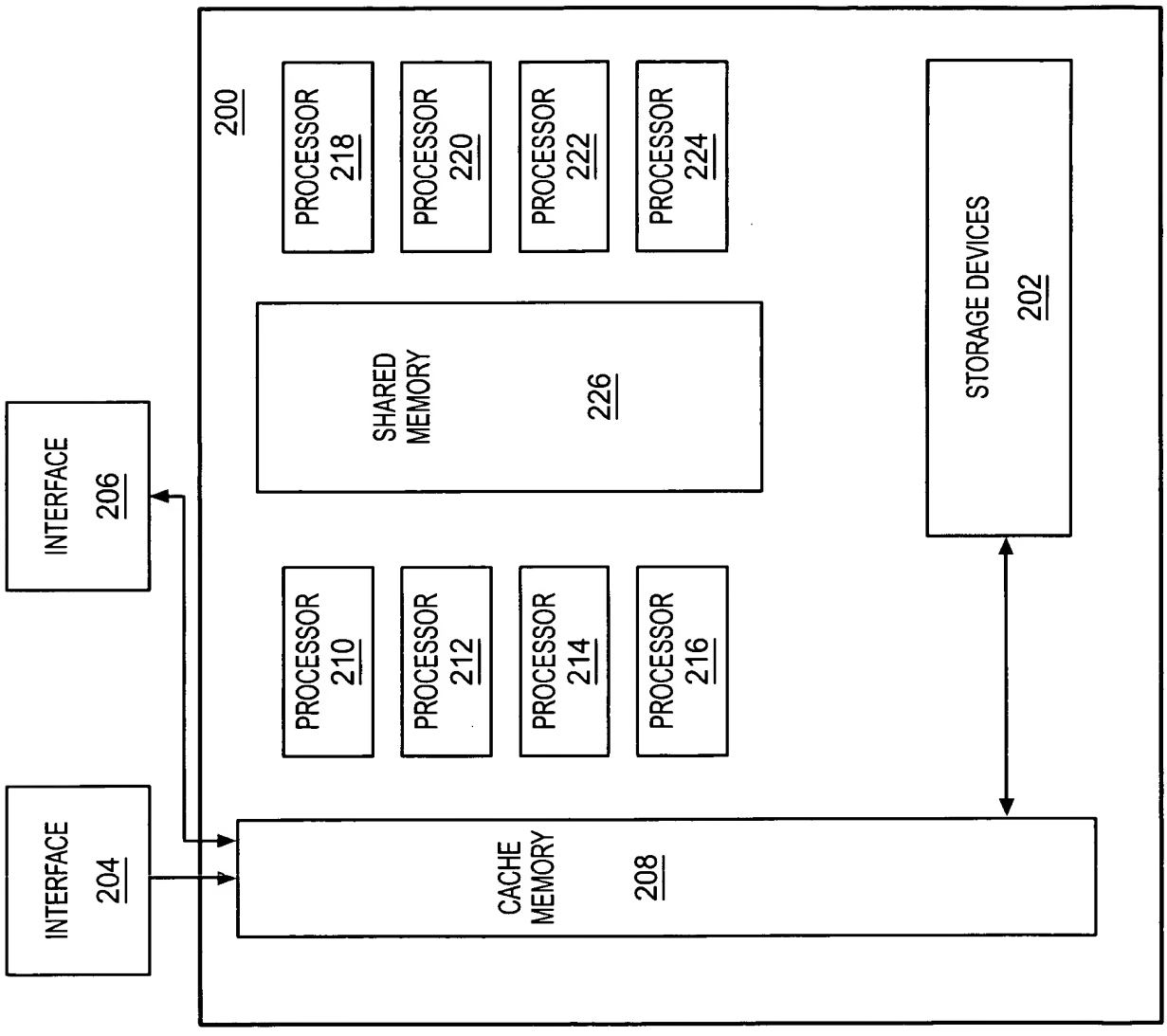


FIG. 2

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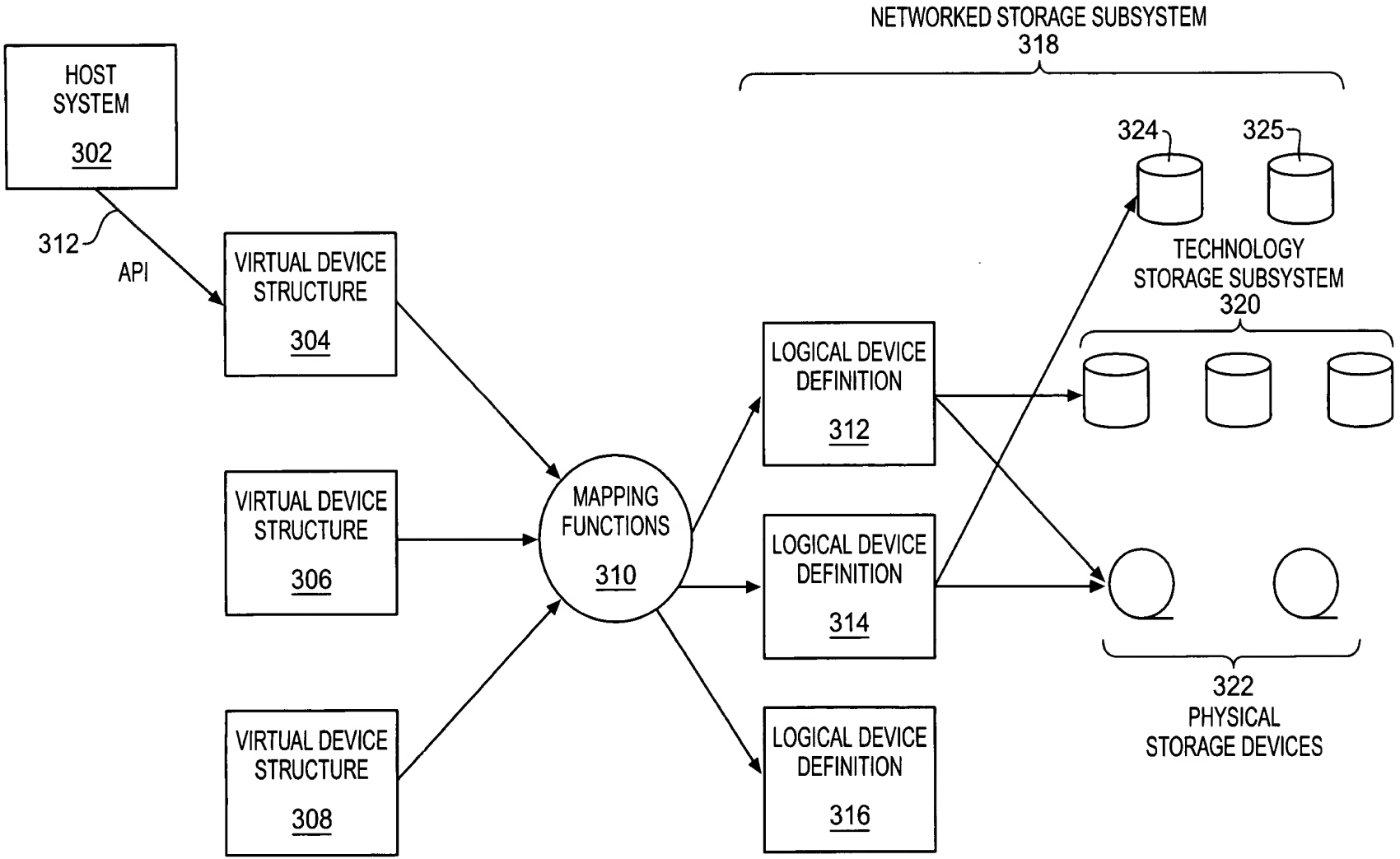
JUN 03 2004
OIPE
JC48

FIG. 3



PATENT & TRADEMARK OFFICE
JUN 0 3 2004
JC48
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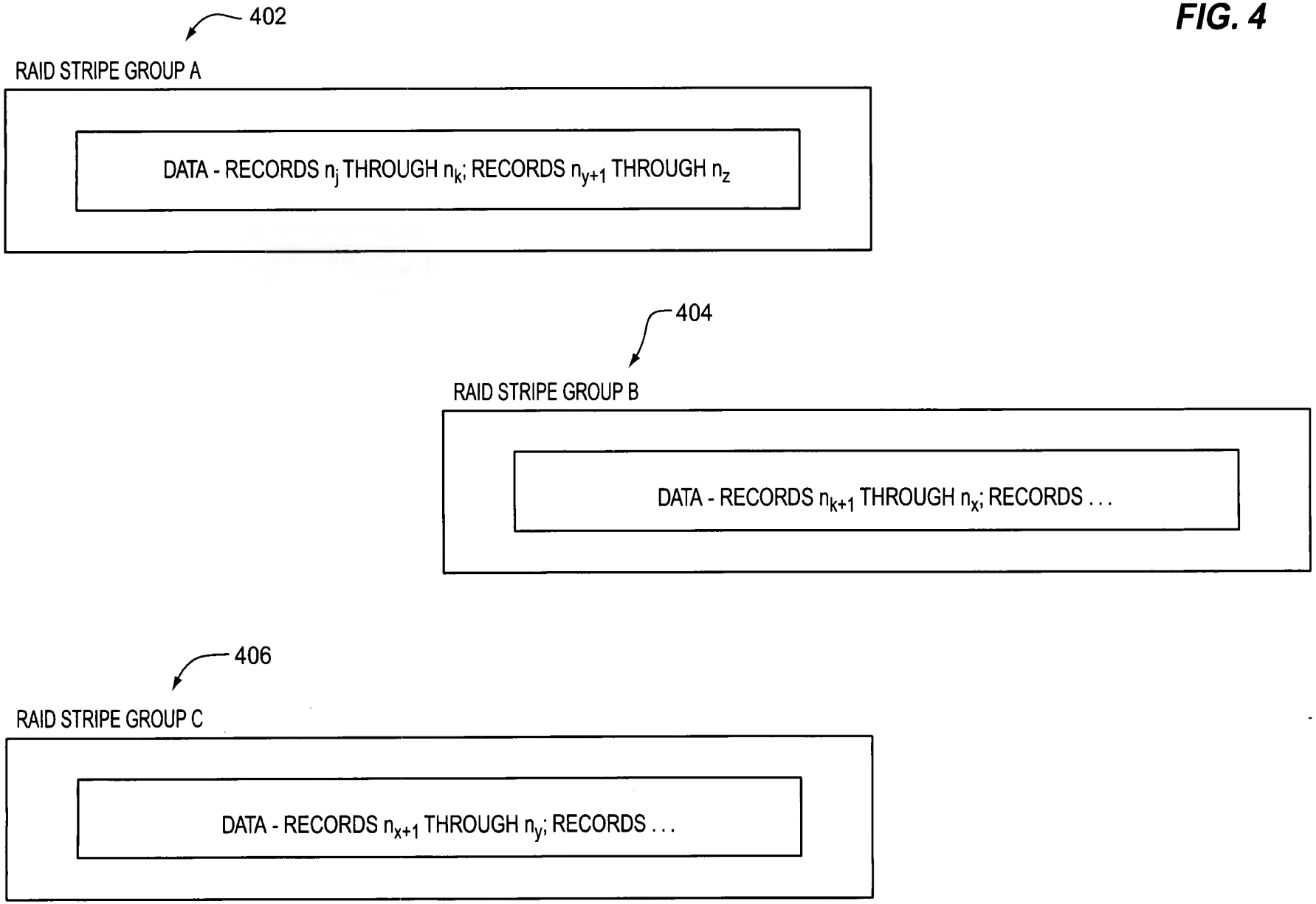
FIG. 4



OIPE
JUN 0 3 2004
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FIG. 5

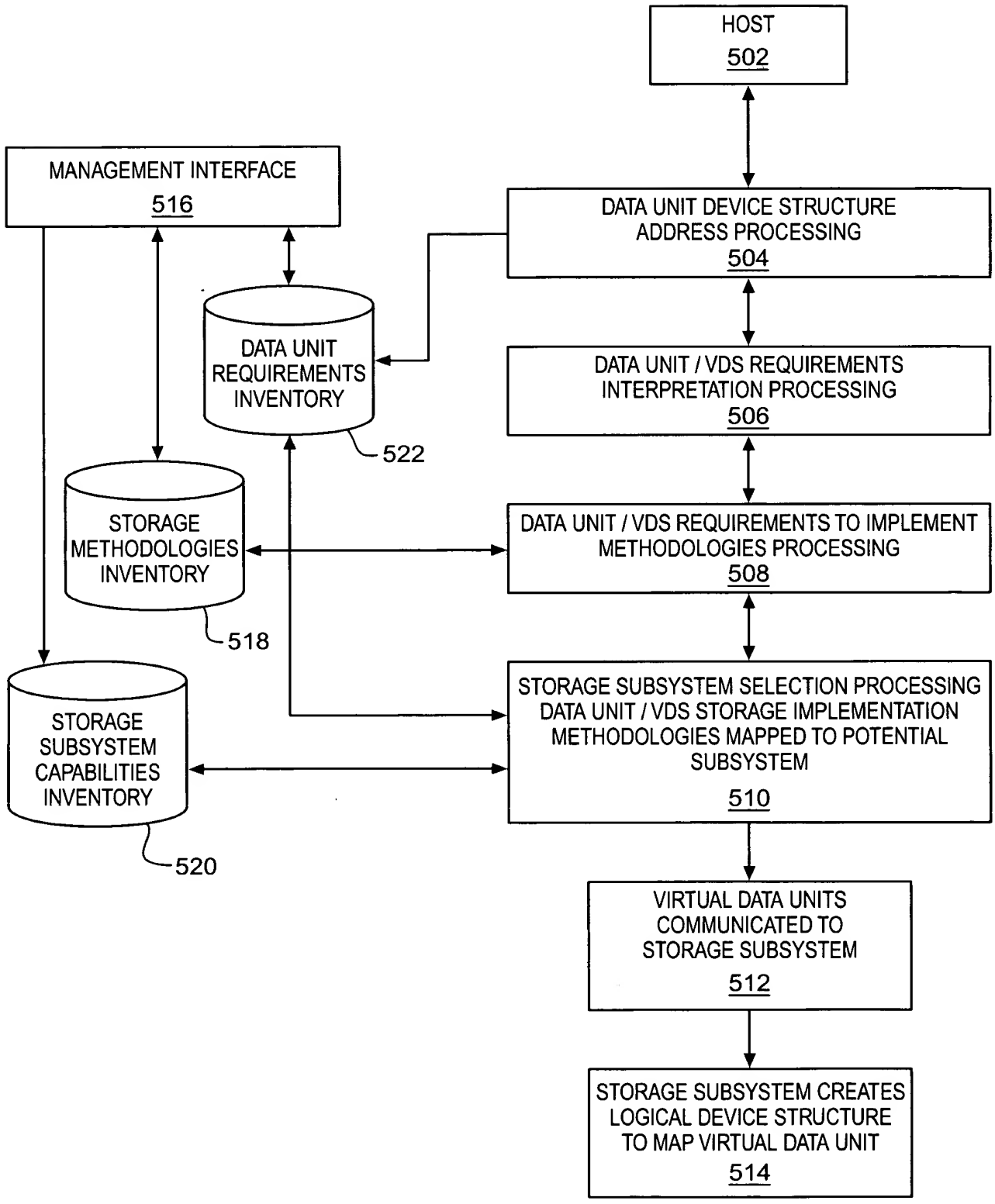

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FIG. 6

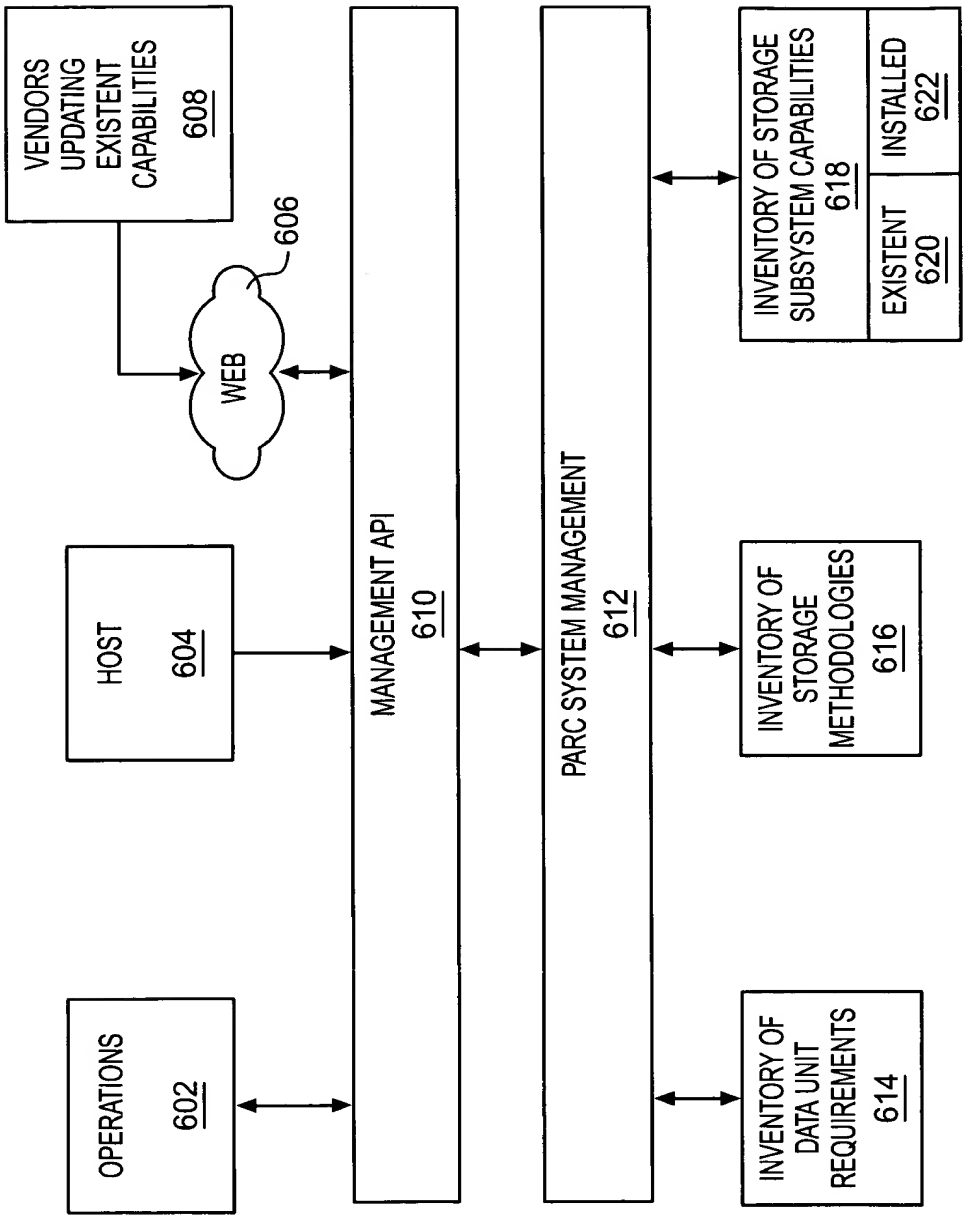

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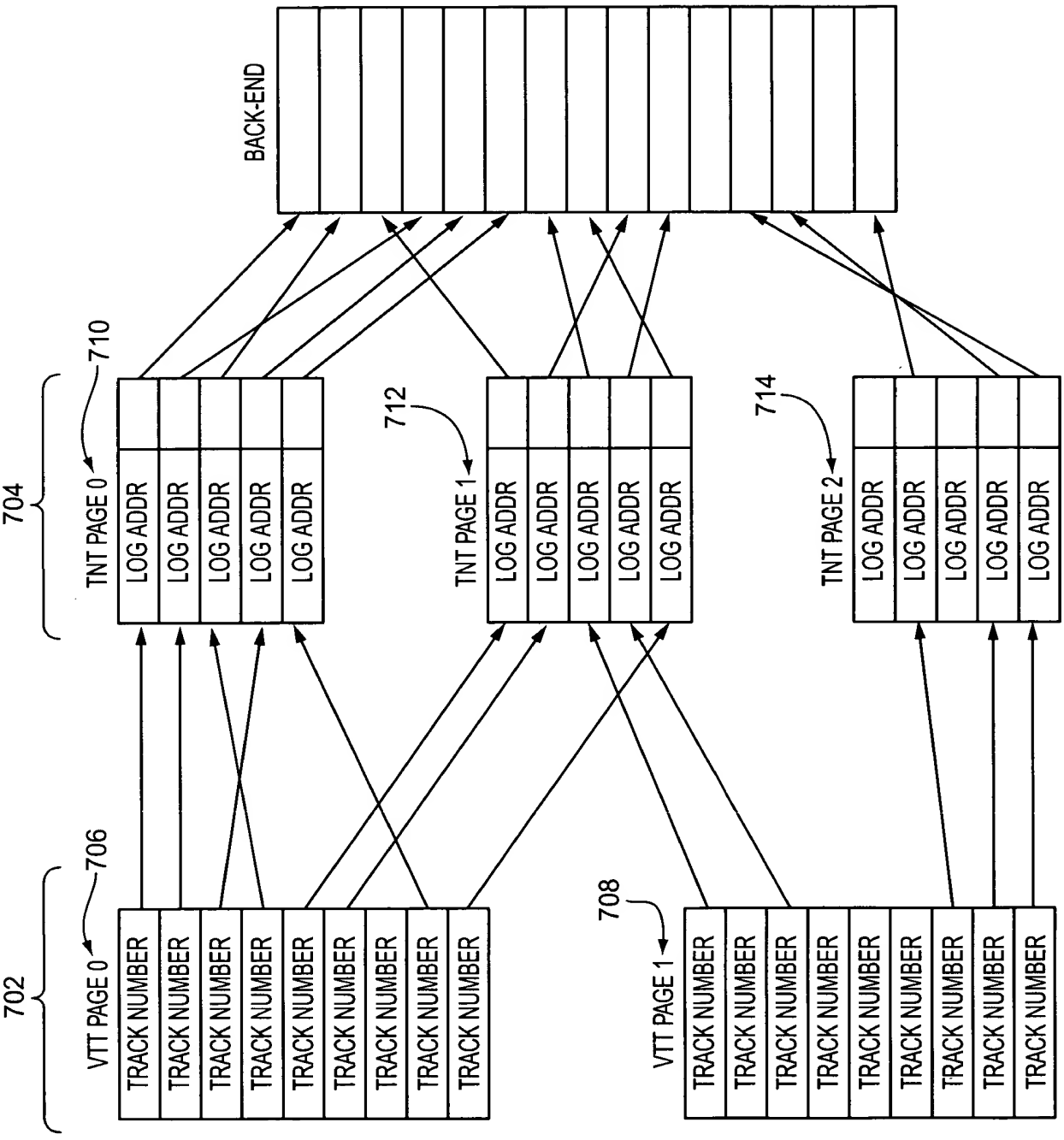
FIG. 7



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JUN 0 3 2004
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JC48

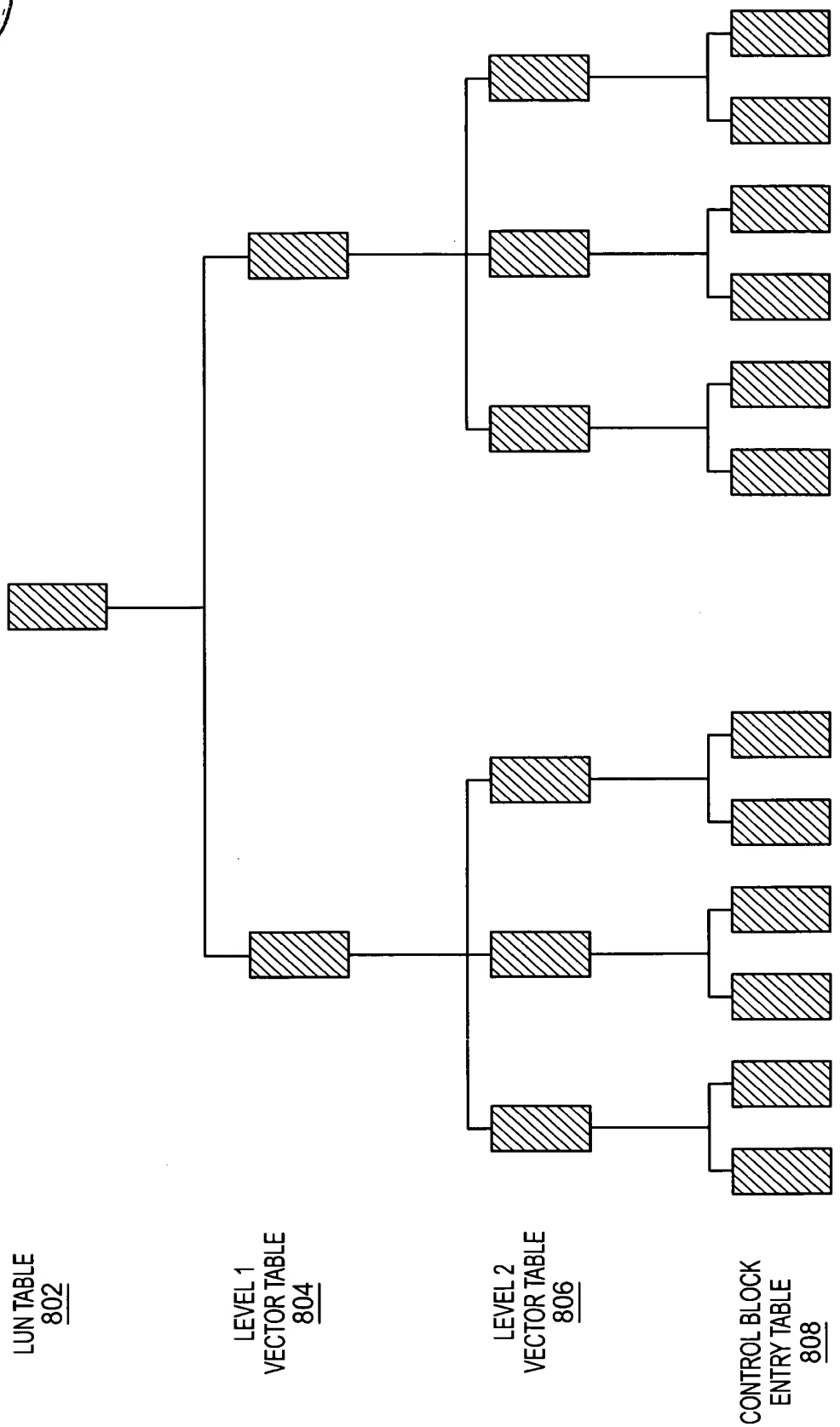

FIG. 8

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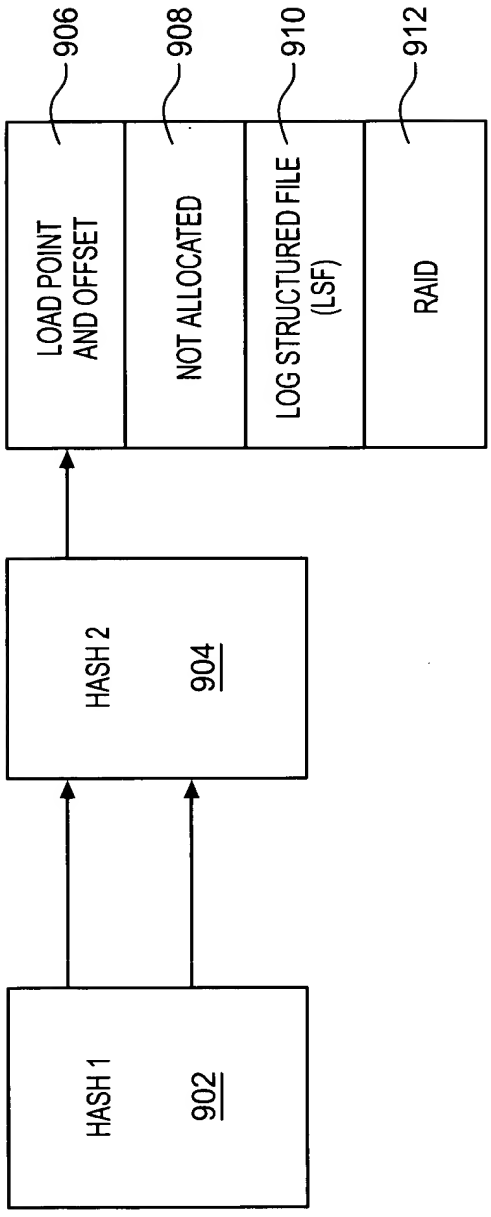

FIG. 9

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JUN 0 3 2004
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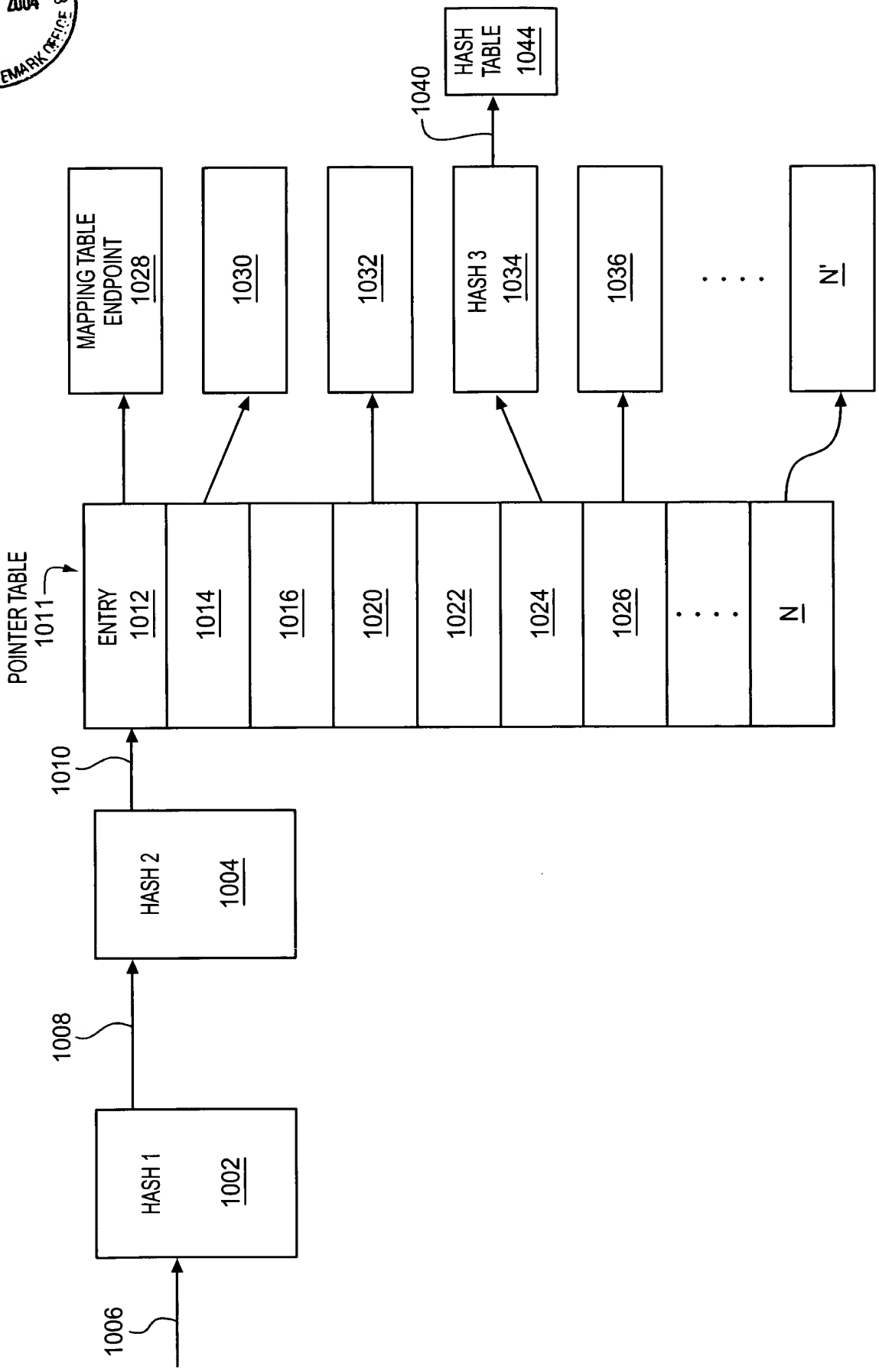

FIG. 10

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JUN 03 2004
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JC48

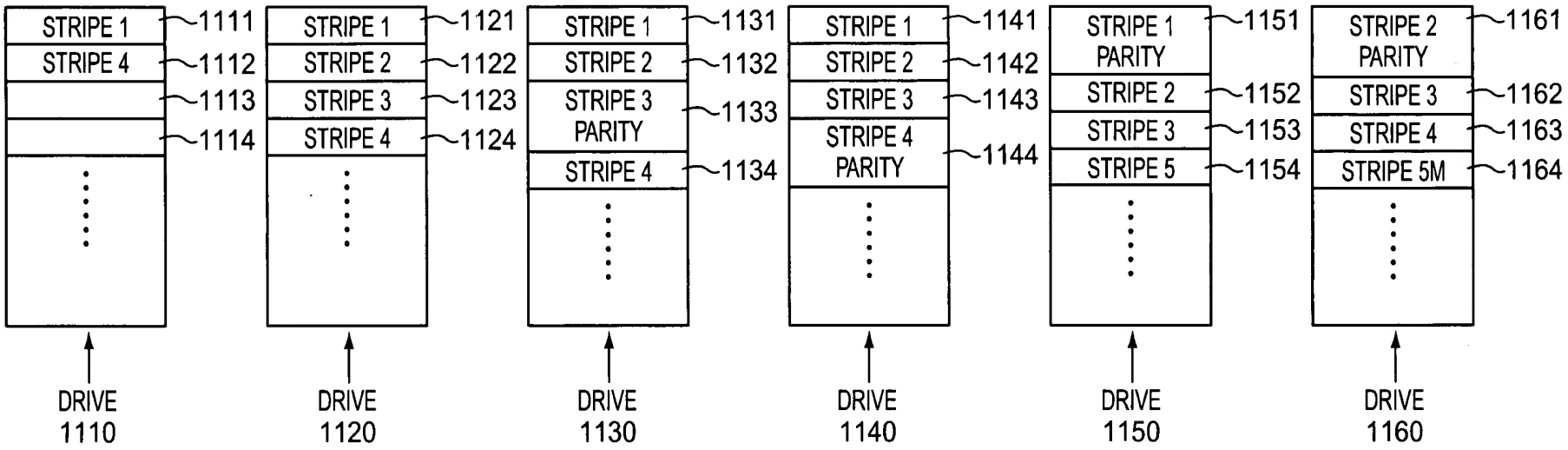

FIG. 11

OIPE
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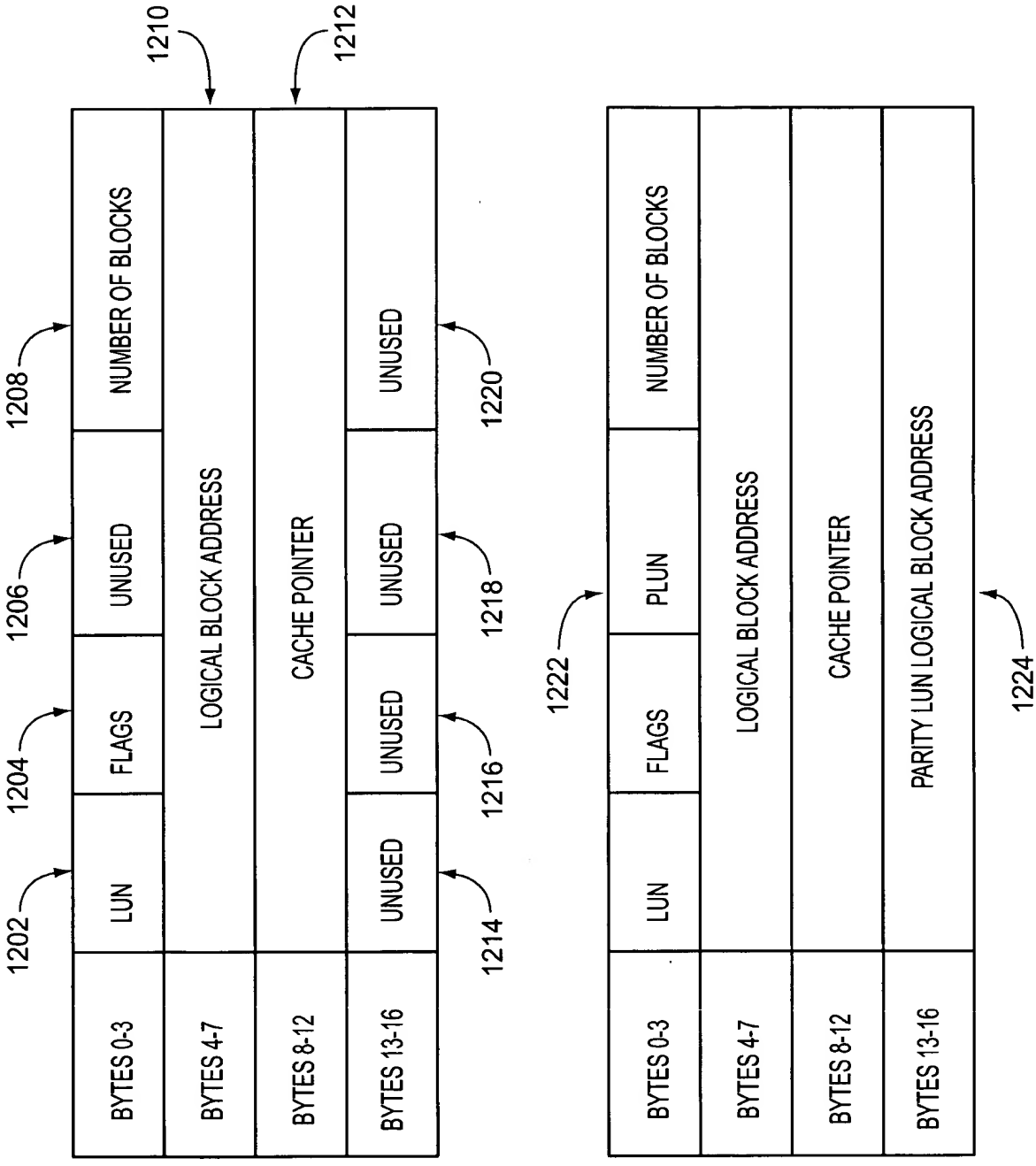

FIG. 12

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FIG. 13

TIMESTAMP			
LBA OF PREVIOUS STRIPE			
PREVIOUS STRIPE LUN	INDEX OF PARITY DRIVE	RAID TYPE OF STRIPE	# OF STRIPS IN STRIP
STRIP SIZE IN BLOCKS			
1st LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON 1st LUN			
2nd LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON 2nd LUN			
Nth LUN IN STRIPE	ACTIVE COUNT	# OF HOST PIECES IN STRIP	UNUSED
LBA OF DATA ON Nth LUN			
HOST LUN	LENGTH IN STRIP	HOST LENGTH	
HOST LBA			
HOST LUN	LENGTH IN STRIP	HOST LENGTH	
HOST LBA			

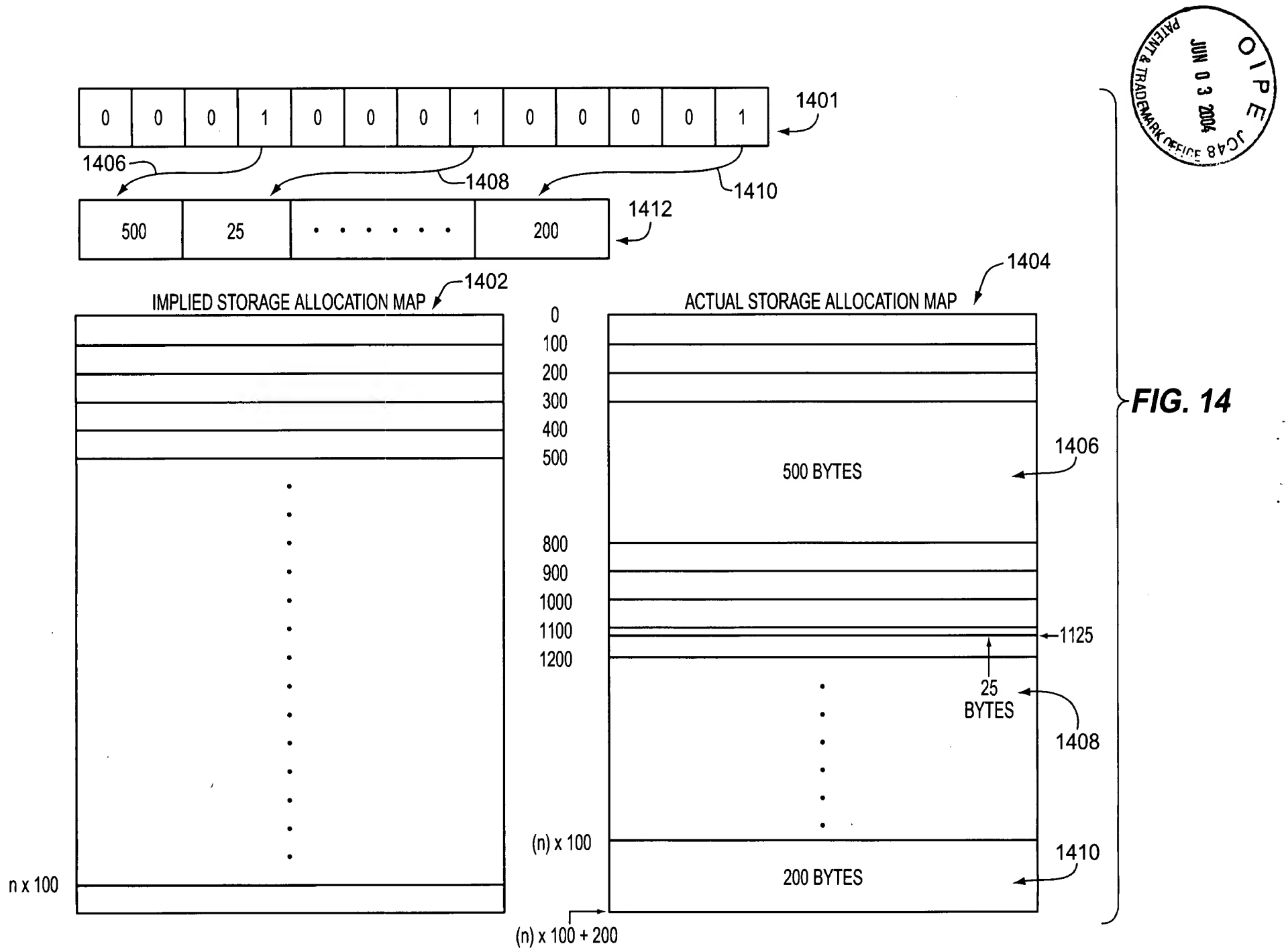

FIG. 14

OIPE
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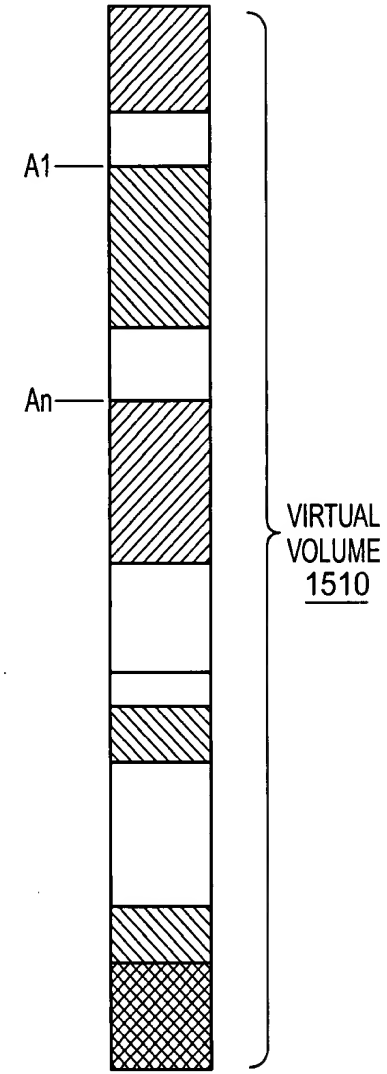
OIPE
JUN 03 2004
PATENT & TRADEMARK OFFICE
JC48



	HOST VIEW OF DATA / ASSOCIATED POLICY CONSTRAINTS	SUB SYSTEM MAPPING MECHANISM
FILE 1	LP&O/NONE	LP&O
FILE 2	LP&O/MIRRORED	LP&O MIRRORED
FILE 3	LP&O/6-9's RELIABILITY HIGH PERF.	LSF
FILE 4	CCHHR/NONE	LSF
UNALLOCATED SPACE	LP&O/NONE	POINTER BOUNDS OF VOIDS

FIG. 15

OIPE JC48
JUN 0 3 2004
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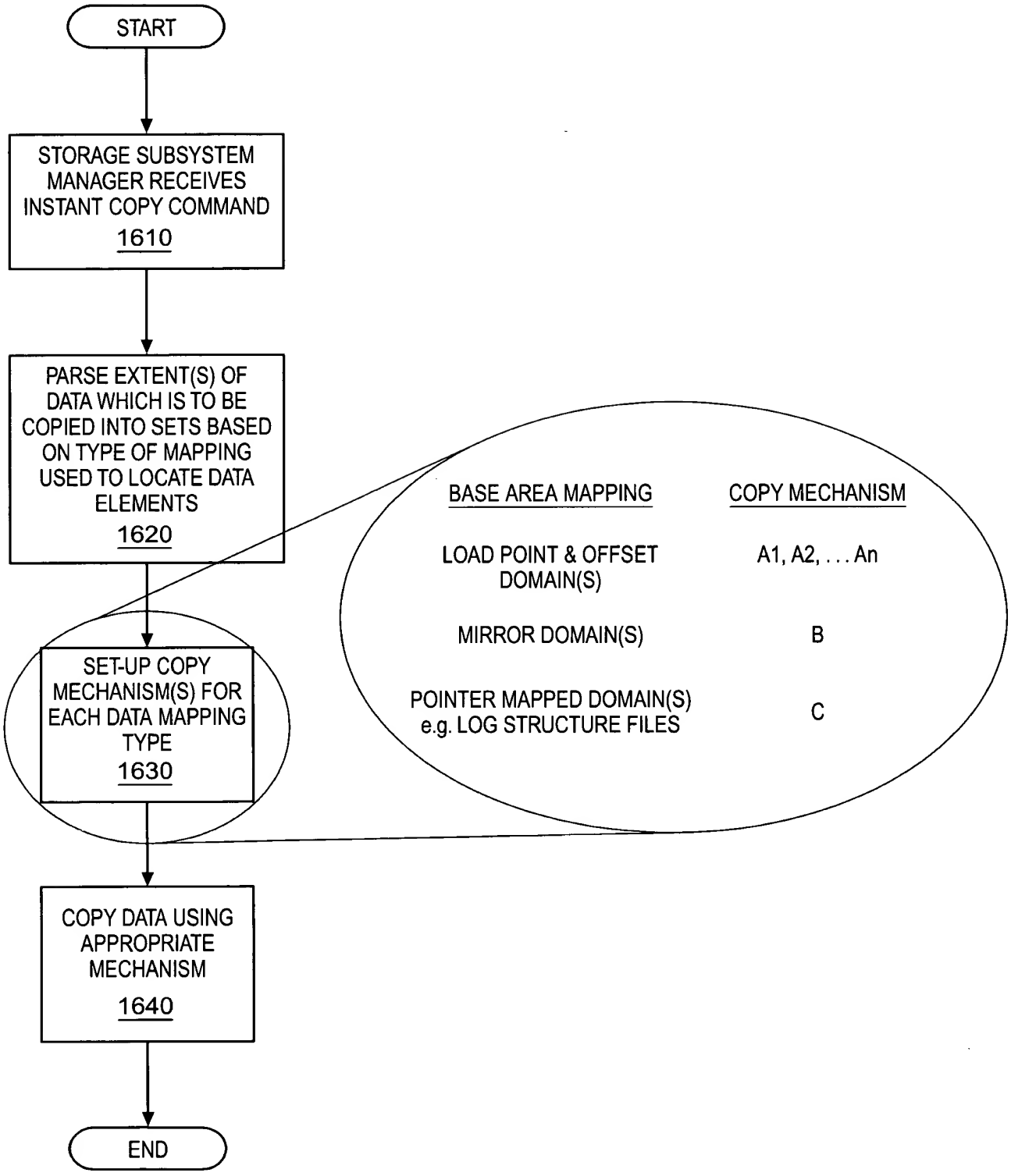
FIG. 16



OIPE
JUN 03 2004
PATENT & TRADEMARK OFFICE
JC48

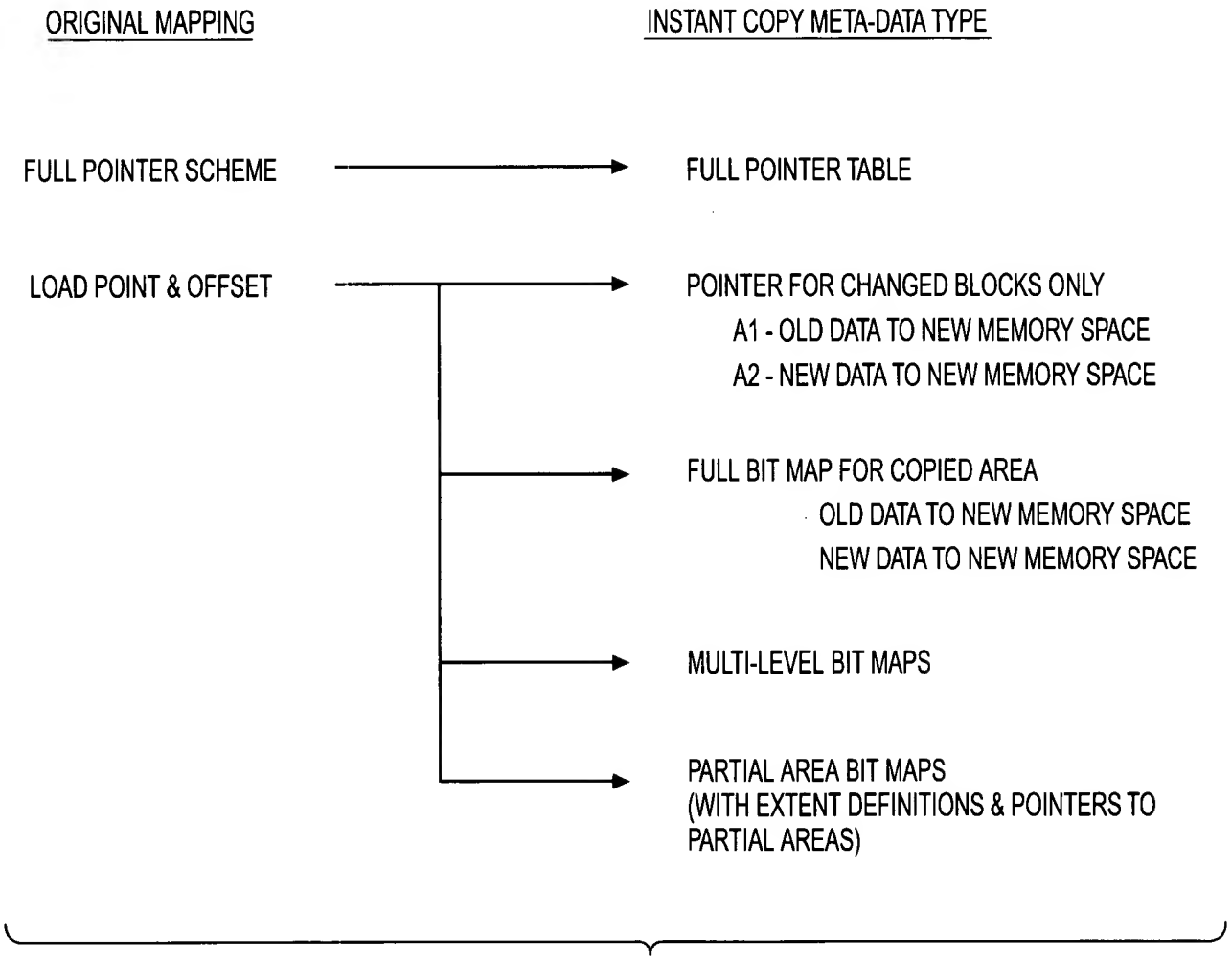


FIG. 17

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JUN 03 2004
OIPE
JC48

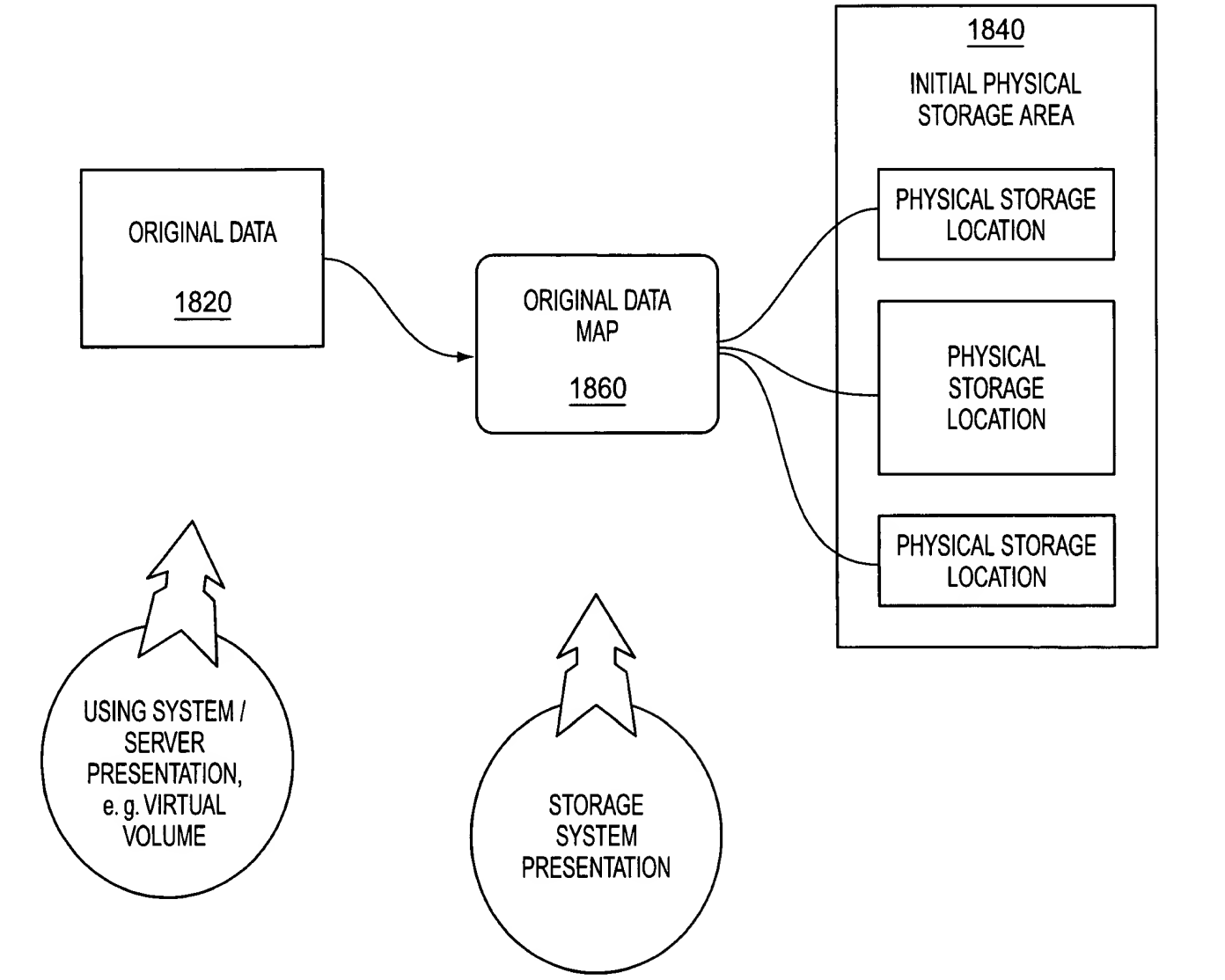

FIG. 18A

OIPE
JUN 0 3 2004
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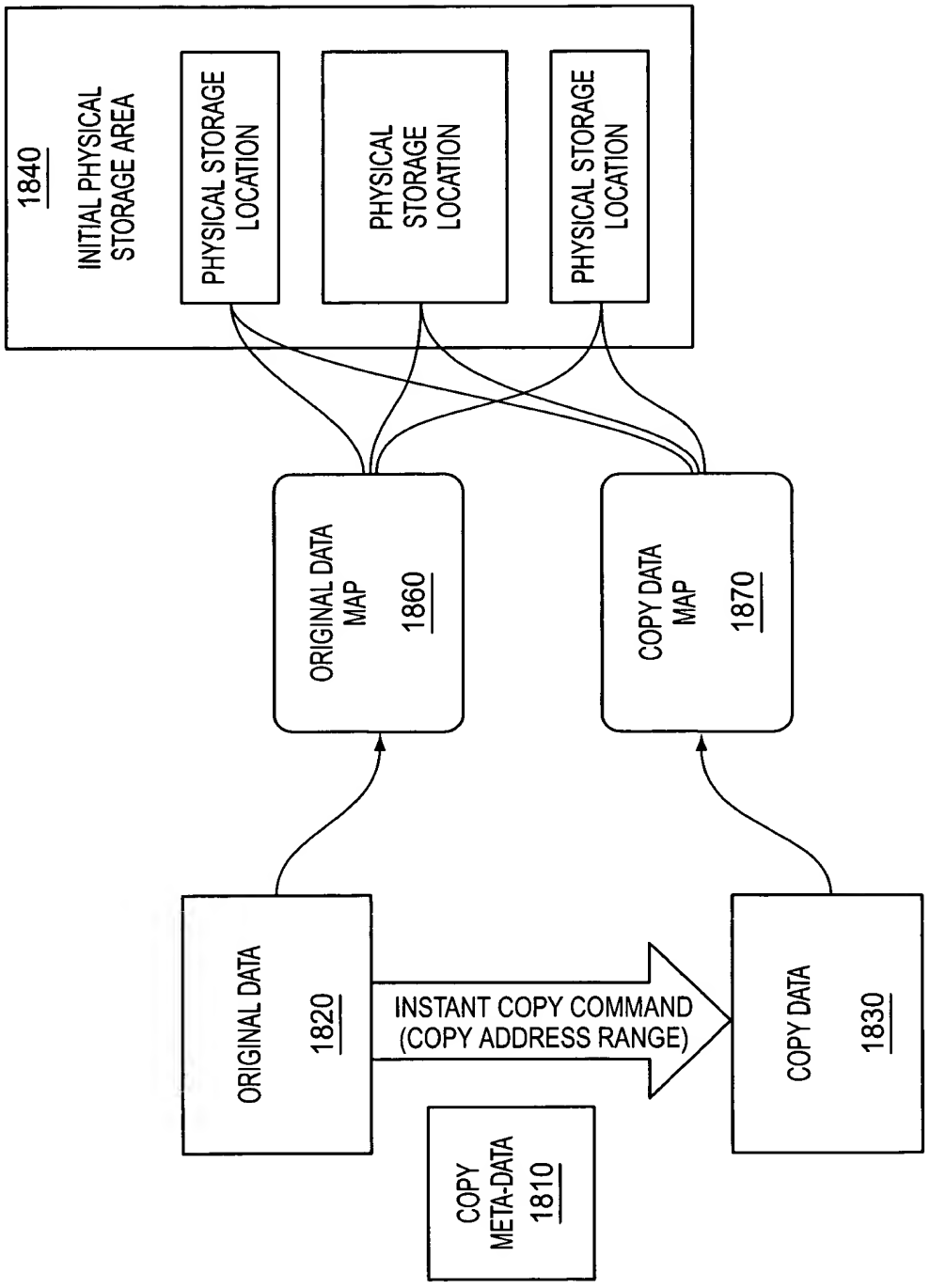

FIG. 18B
PRIOR ART

OIPE
JUN 0 3 2004
PATENT & TRADEMARK OFFICE
JC48

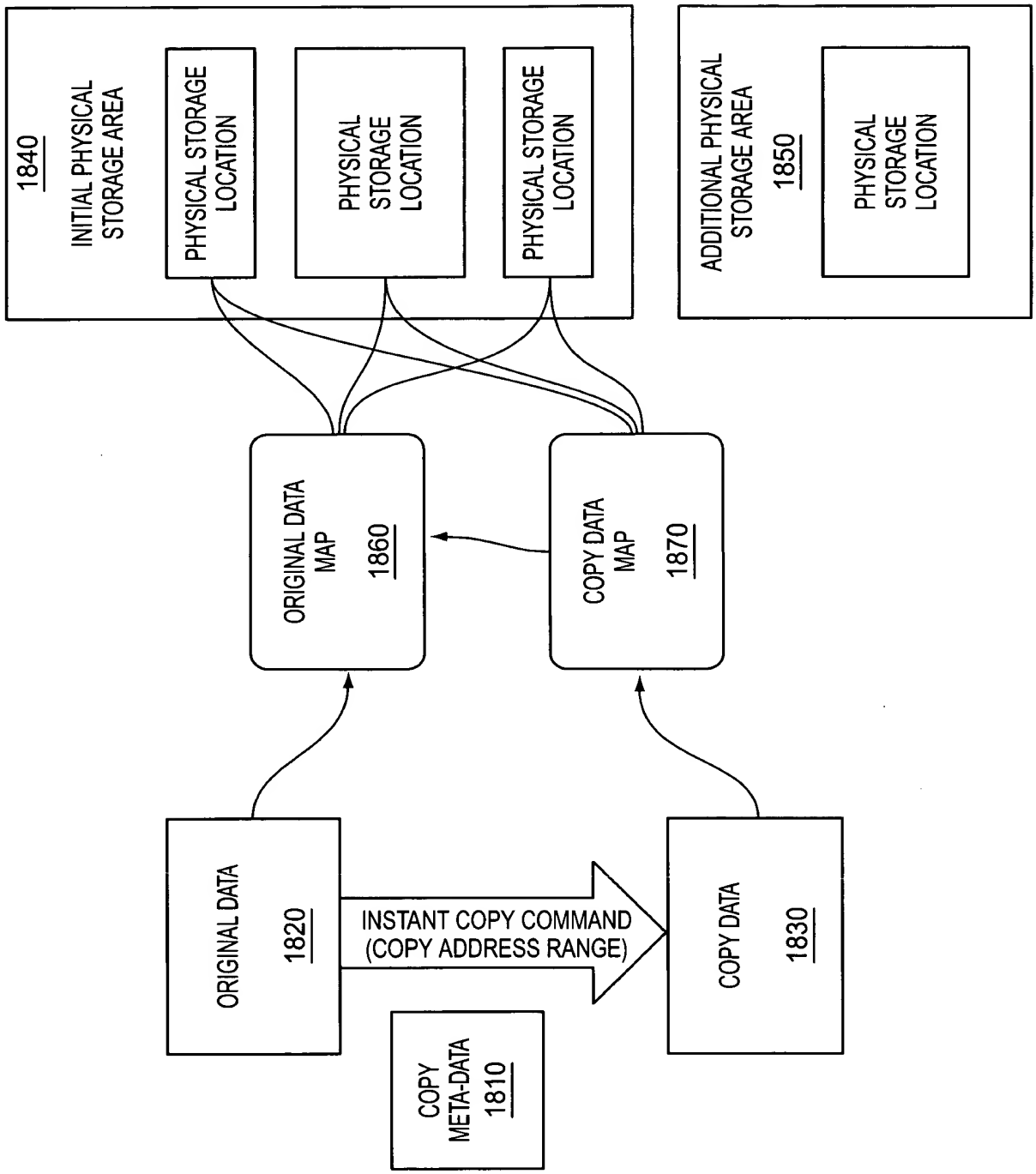

FIG. 18C

PATENT & TRADEMARK OFFICE
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OIPE
JC48

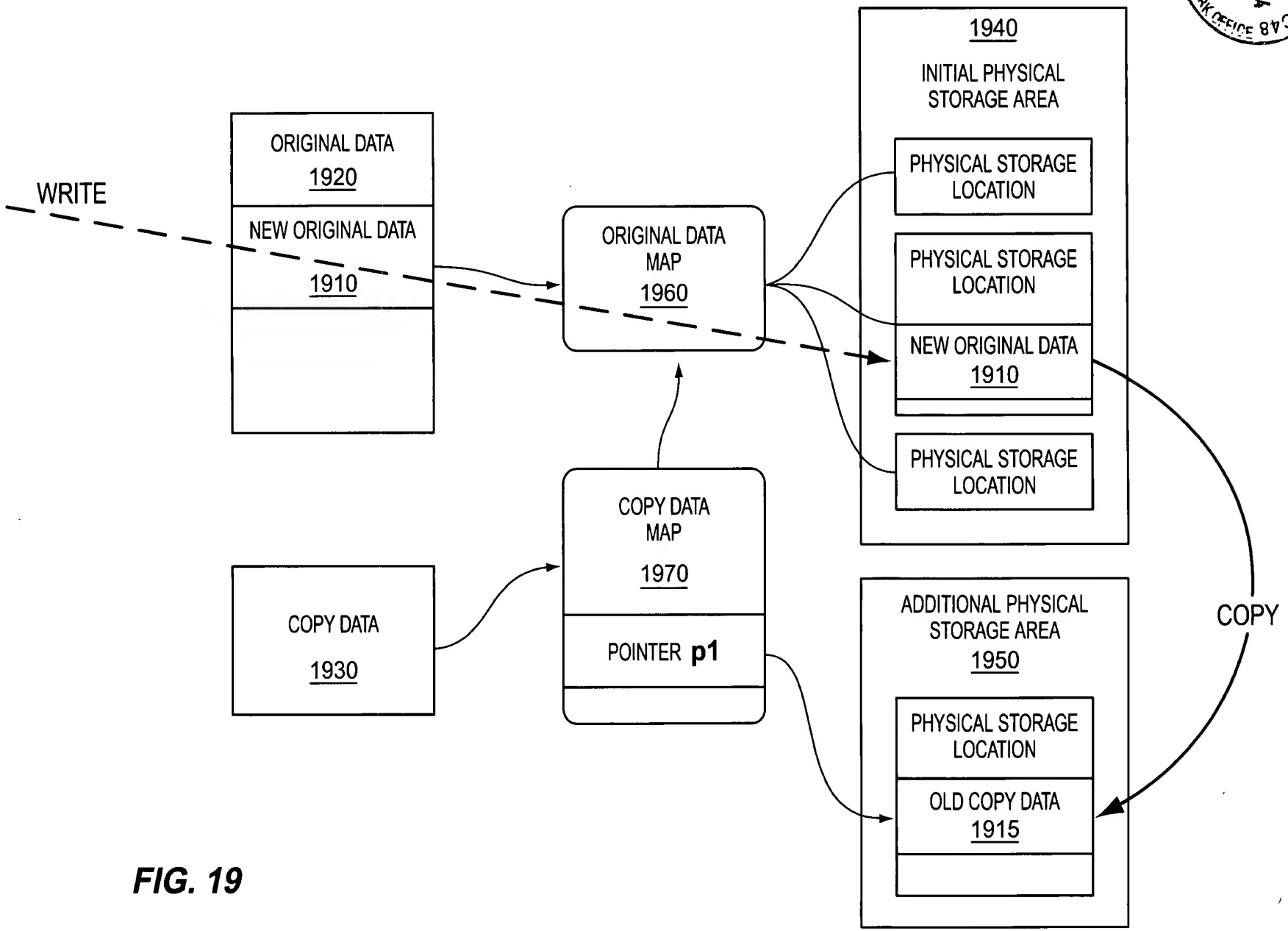

FIG. 19

OIPE
JUN 03 2004
PATENT & TRADEMARK OFFICE
JC48

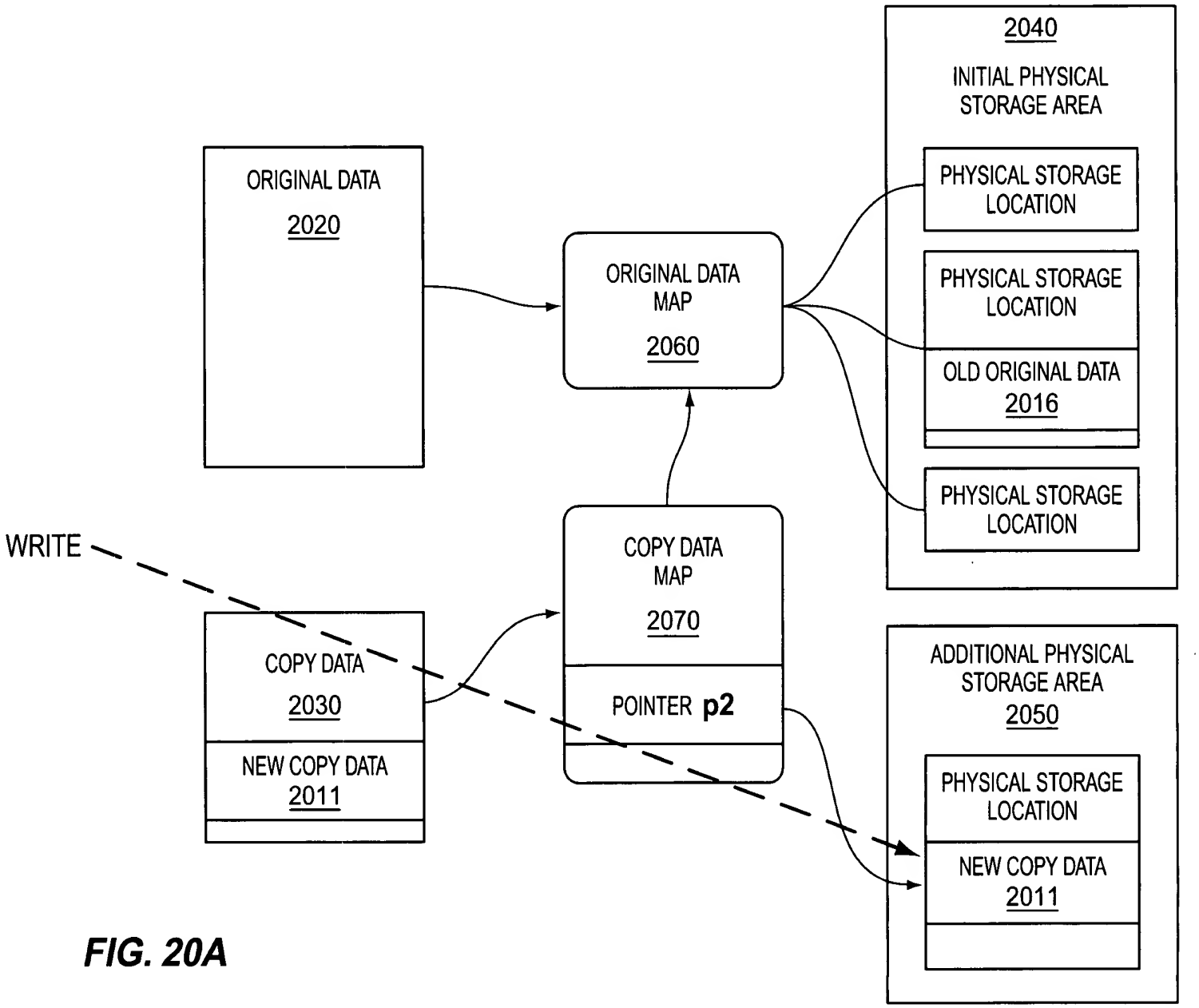

FIG. 20A

PATENT & TRADEMARK OFFICE
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OIPE

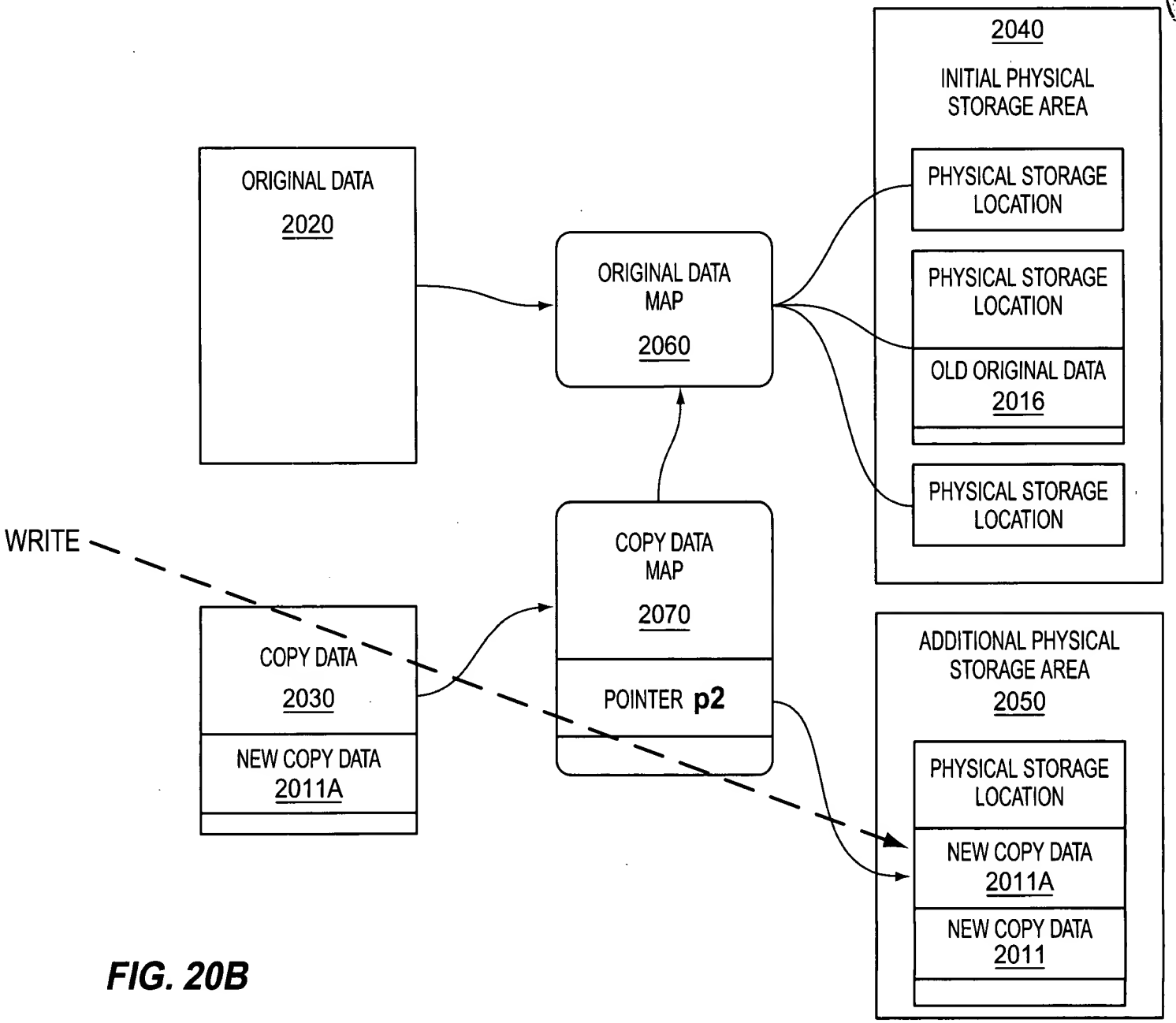

FIG. 20B

PATENT & TRADEMARK OFFICE
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OIPE
JC48

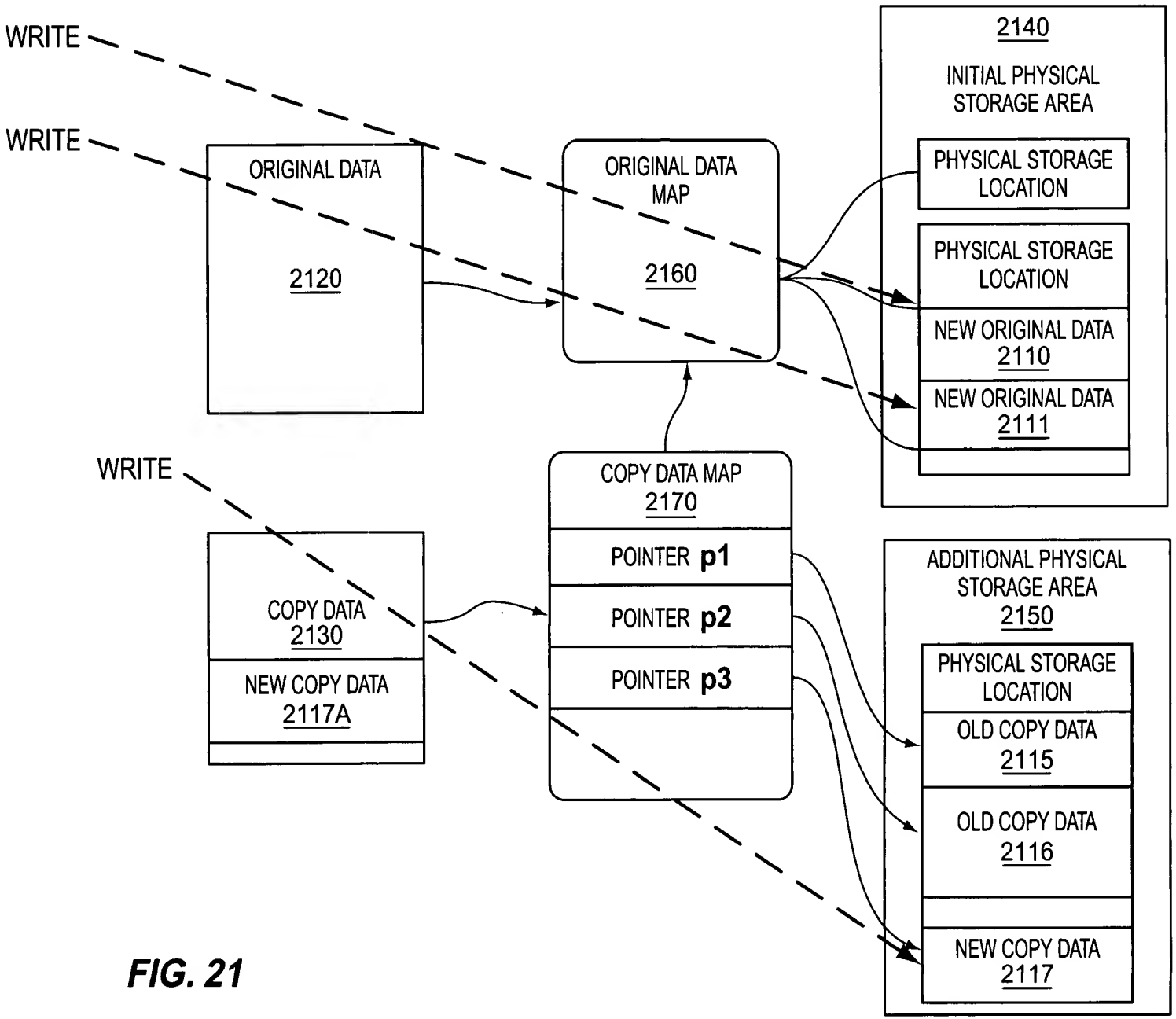

FIG. 21

OIPE
JUN 03 2004
PATENT & TRADEMARK OFFICE
JC48

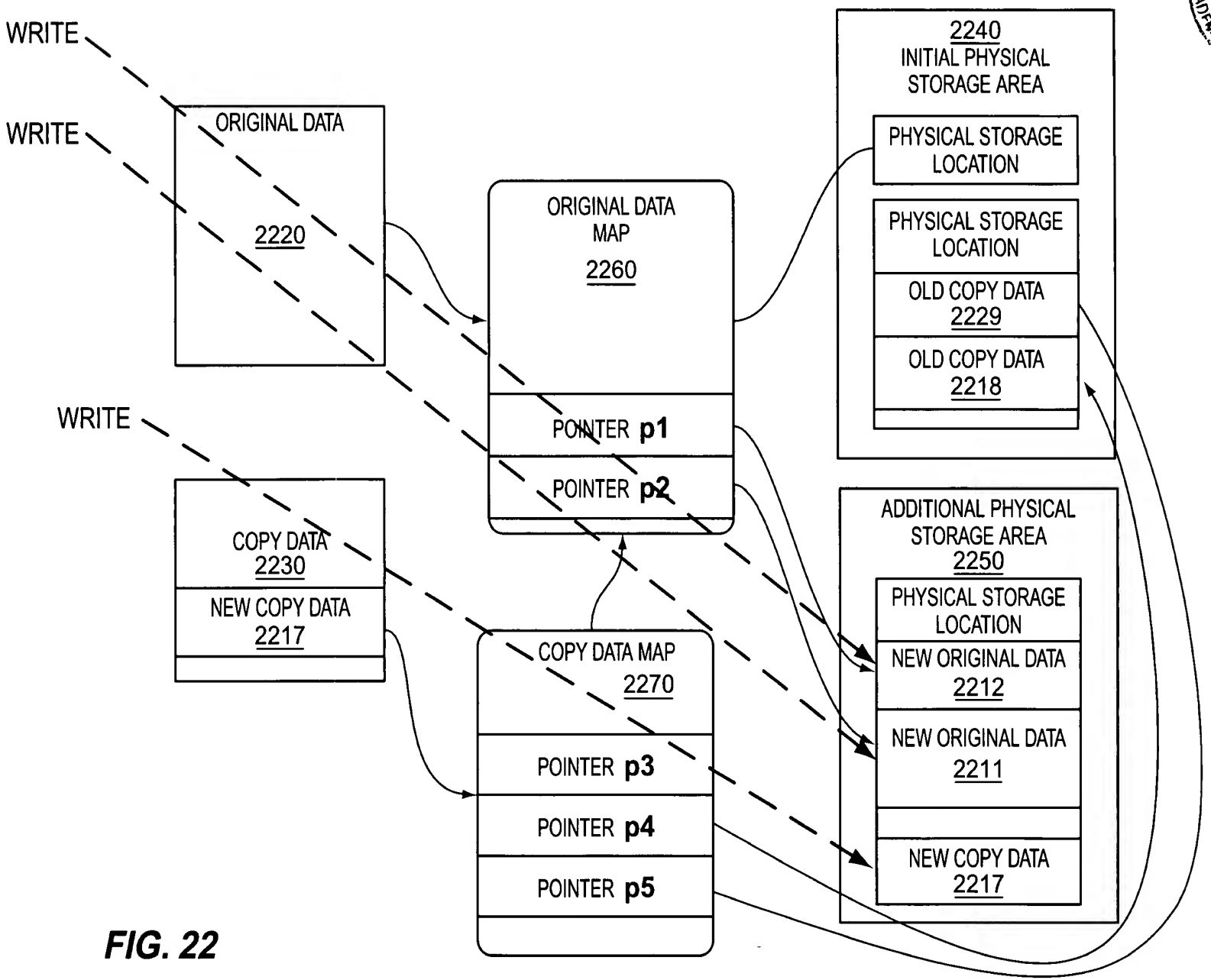

FIG. 22

PATENT & TRADEMARK OFFICE
JUN 03 2004
JC48
OIPE

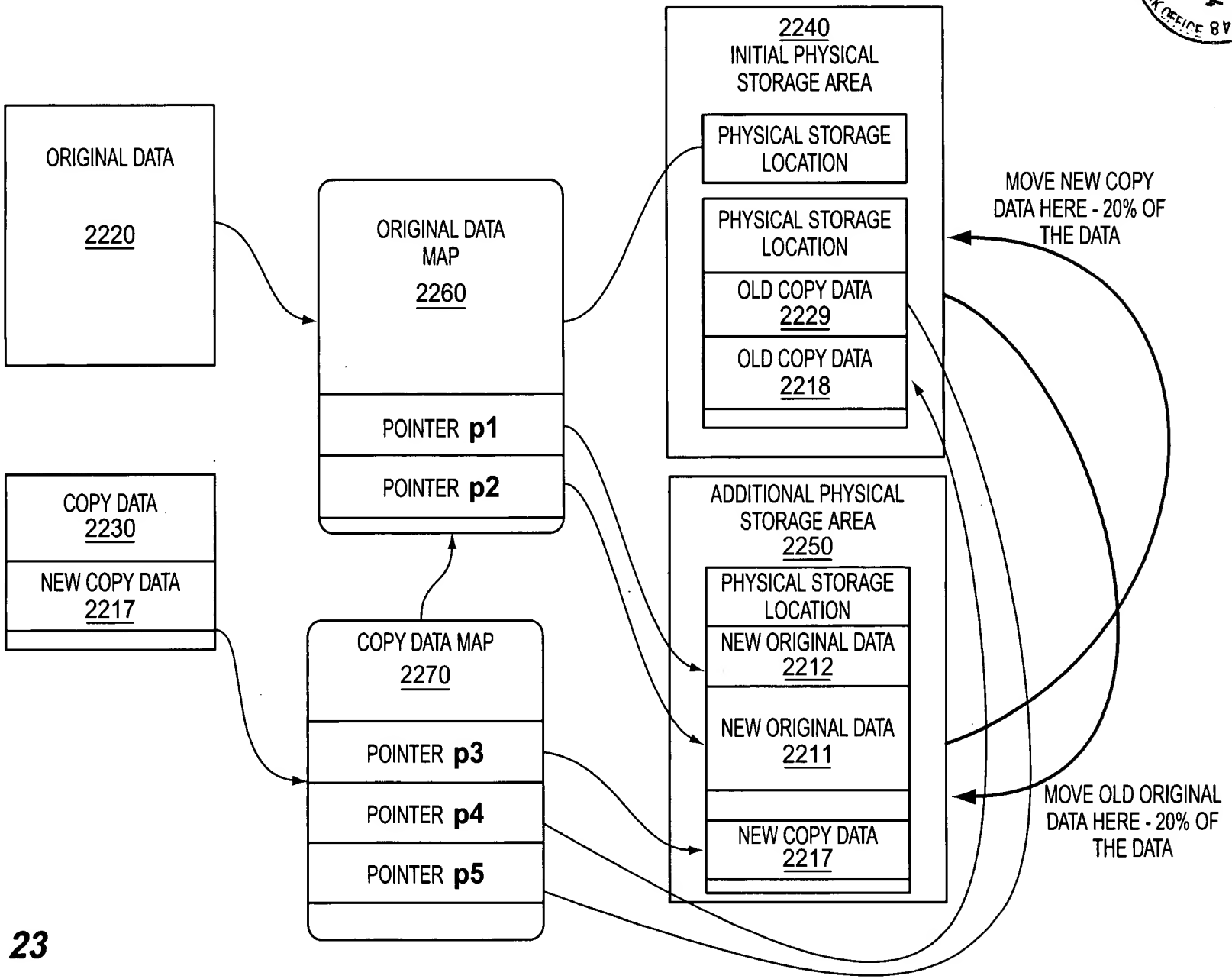

FIG. 23

PATENT & TRADEMARK OFFICE
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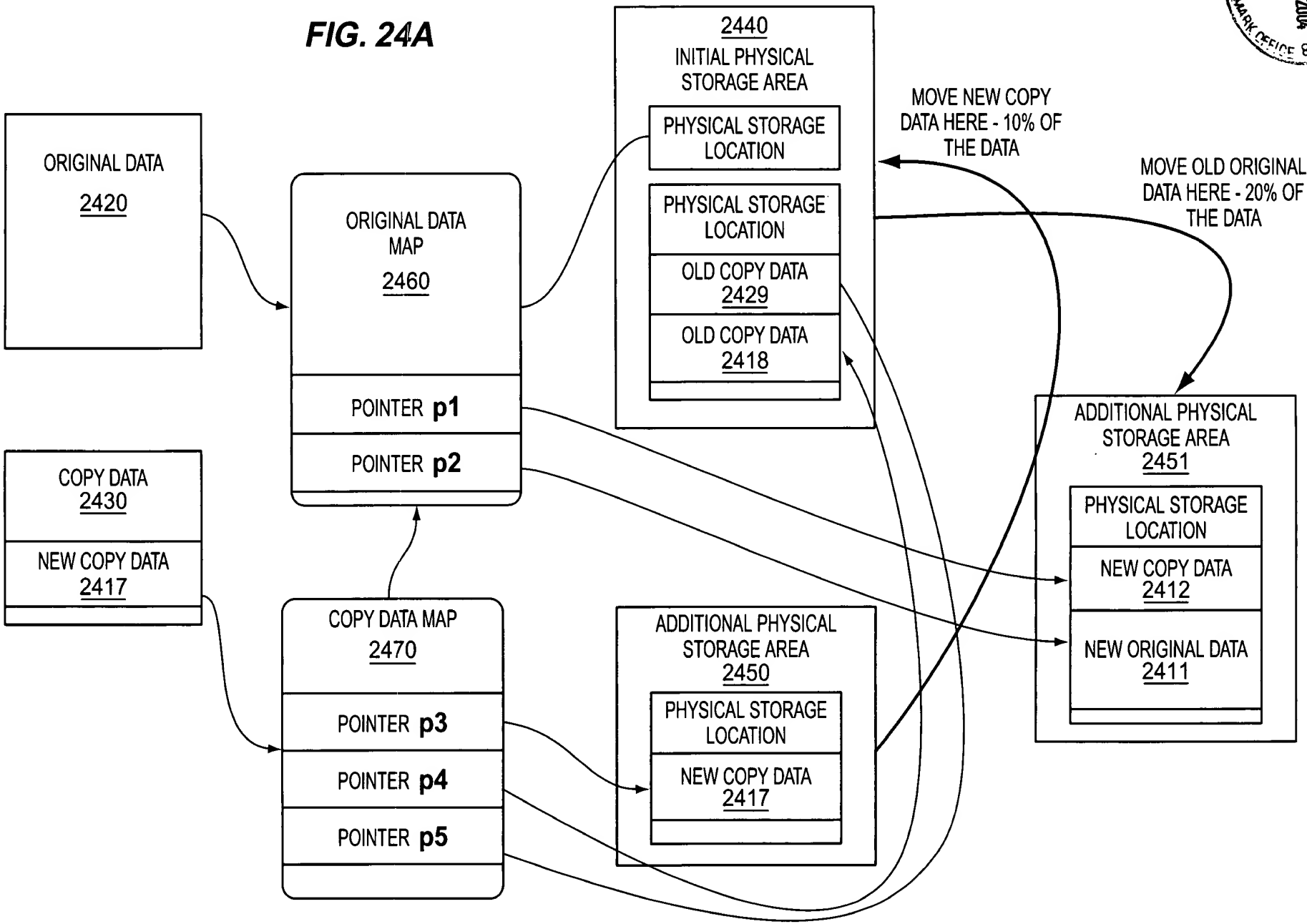
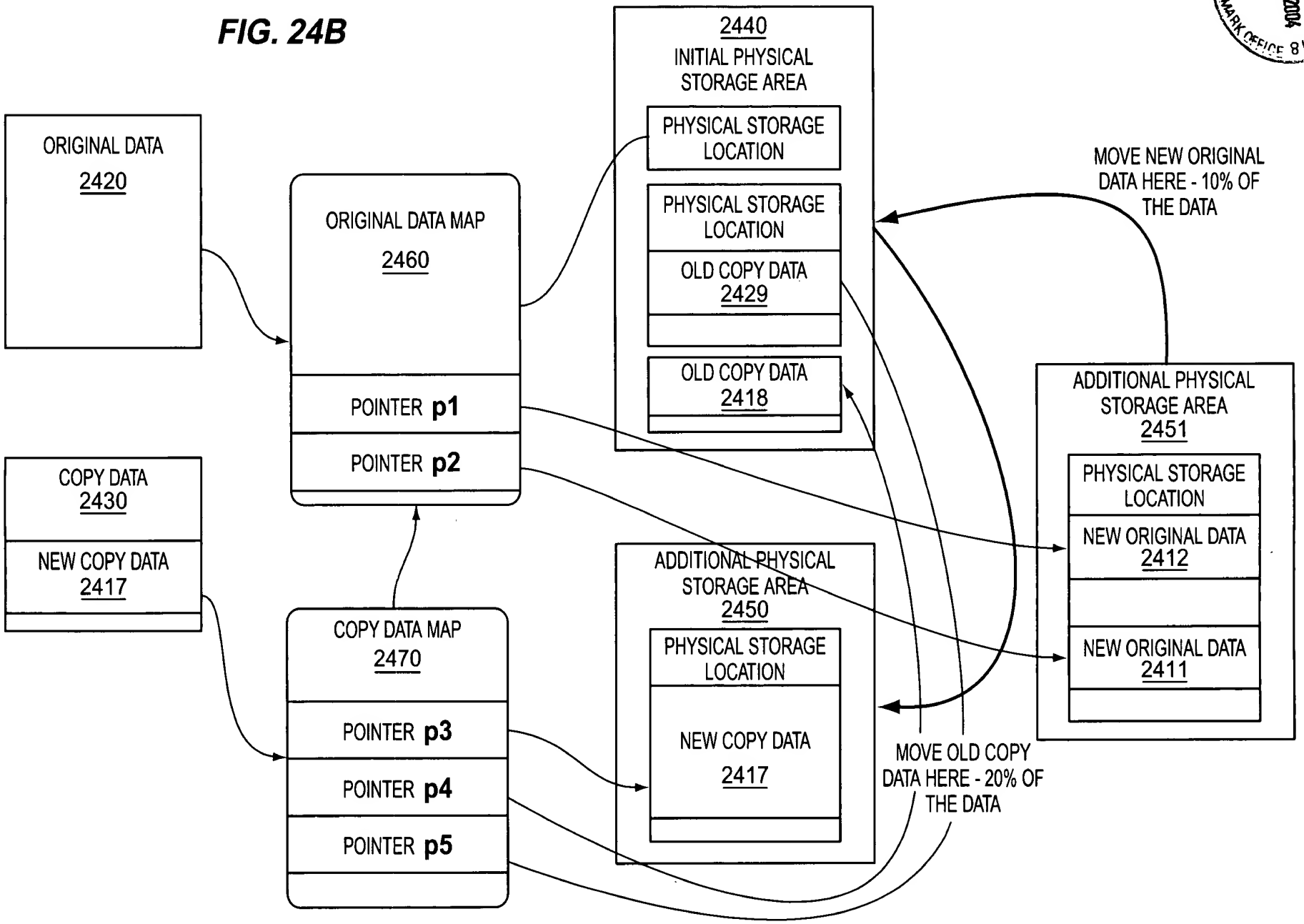
OIPE
JC48

FIG. 24A



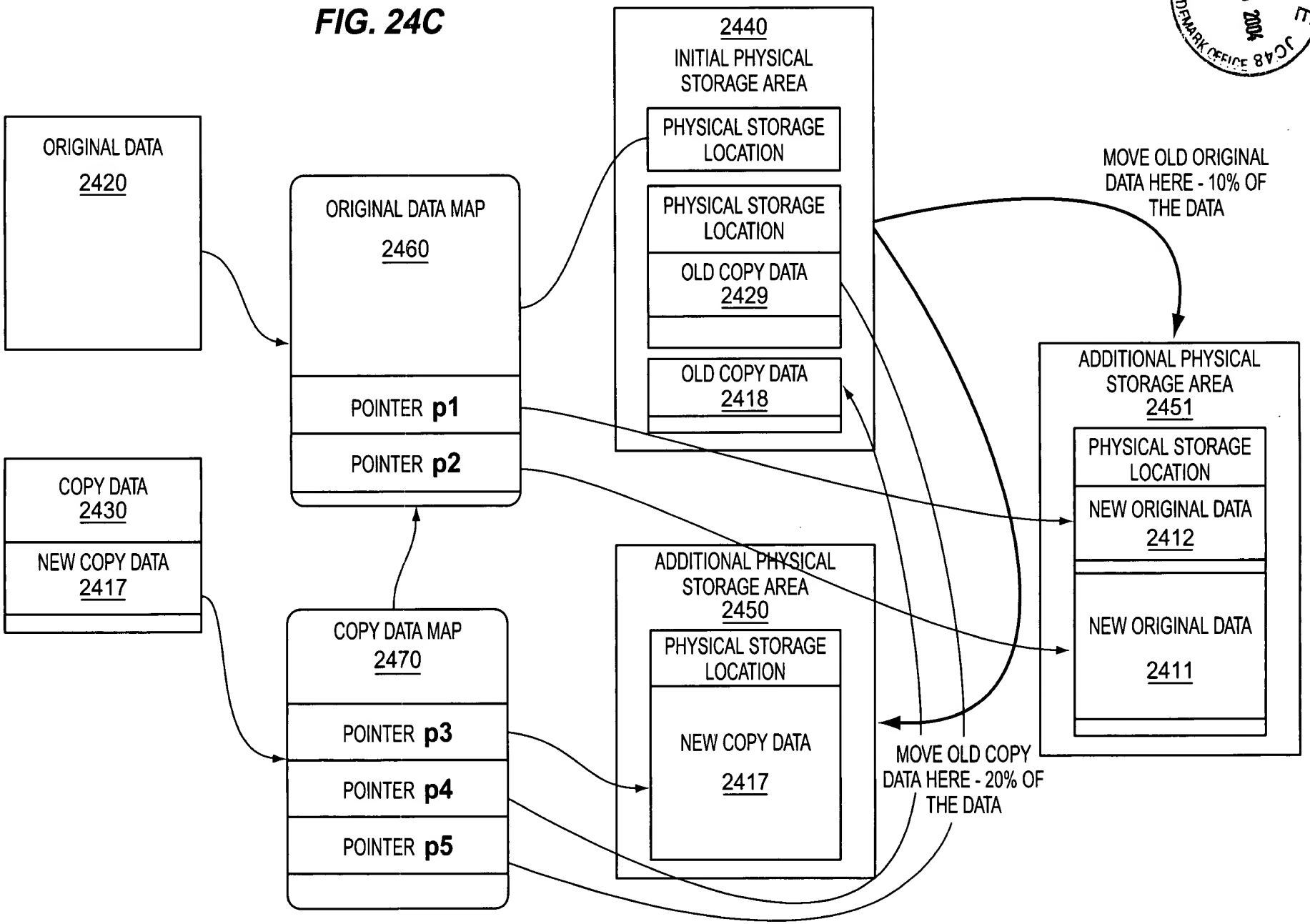
PATENT & TRADEMARK OFFICE
JUN 03 2004
JC48
OIPE

FIG. 24B



PATENT & TRADEMARK OFFICE JUN 03 2004 OIPE JC48

FIG. 24C



OIPE
JUN 03 2004
PATENT & TRADEMARK OFFICE
JC48

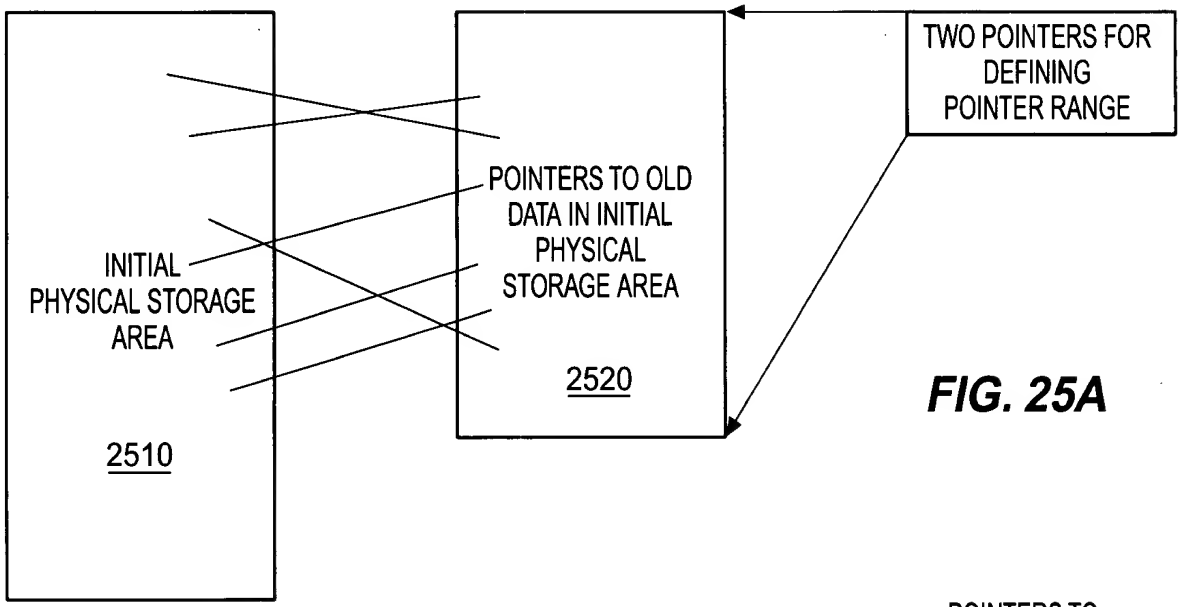


FIG. 25A

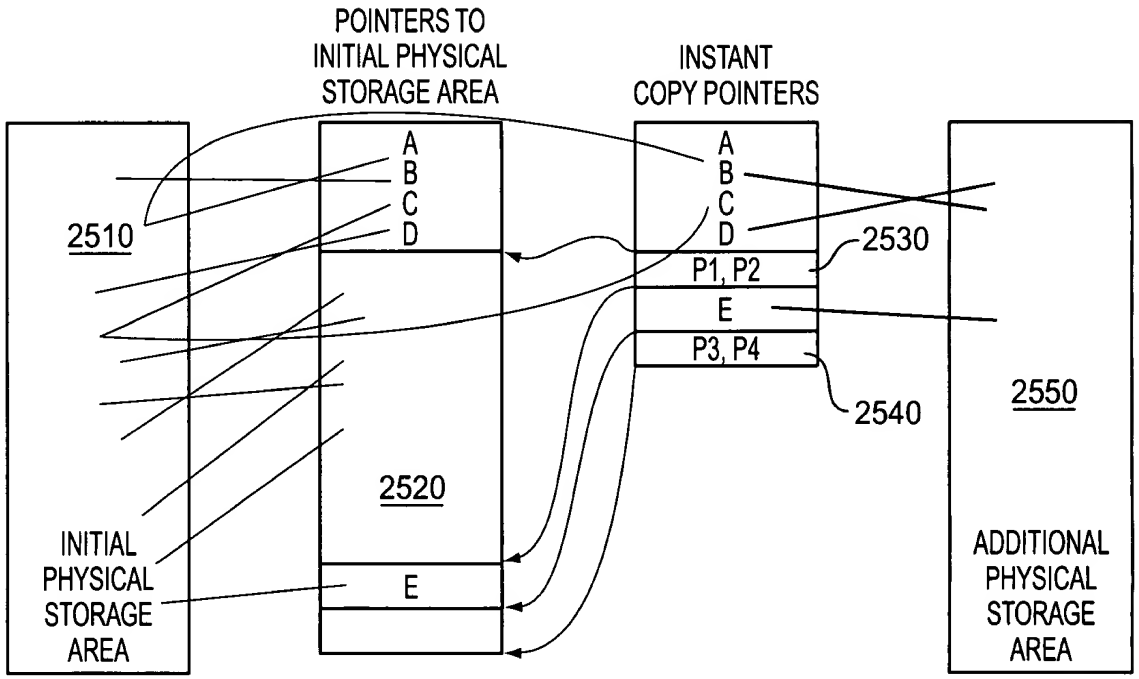


FIG. 25B